

Title (en)  
CATALYST SUPPORT

Title (de)  
KATALYSATORTRÄGER

Title (fr)  
SUPPORT DE CATALYSE

Publication  
**EP 1610885 A2 20060104 (EN)**

Application  
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Abstract (en)  
[origin: US2004198592A1] A support for a catalyst for controlling vehicular exhaust emissions comprising a high surface area refractory metal oxide, e.g., gamma-alumina, having a monomolecular layer of a second oxide selected from the group consisting of titanium dioxide, cerium dioxide and zirconium dioxide. Typically, the monomolecular layer will have a thickness of less than about 10 angstroms. The support may be converted into a vehicular exhaust emission control catalyst by depositing the support on a substrate such as cordierite depositing a precious metal component such as platinum on at least part of the monomolecular layer. Preferably, the catalyst will also contain at least one NO<sub>x</sub> storage component deposited on at least part of the monomolecular layer. Catalysts prepared using the catalyst supports of the invention exhibit outstanding thermal stability and resistance to sulfur poisoning.

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**B01D 53/94**; **B01J 23/56**; **B01J 37/02**

IPC 8 full level  
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**B01D 53/56** (2013.01 - KR); **B01D 53/945** (2013.01 - EP US); **B01J 21/063** (2013.01 - EP US); **B01J 21/066** (2013.01 - EP US);  
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